

Amendments to the Claims:

The text of all pending claims, (including withdrawn claims) is set forth below. Canceled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (canceled), (withdrawn), (new), (previously presented), or (not entered).

Applicant reserves the right to pursue any canceled claims at a later date.

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. - 4. (canceled)

5. (currently amended) A device for diagnosing obstructions in at least one channel[[s]] of a micro heat exchanger including a plurality of channels, comprising:
at least one temperature sensor arranged on an outside of the micro heat exchanger; and
an evaluation unit connected to the at least one temperature sensor, wherein
the evaluation unit diagnoses an obstruction in the at least one channel on the basis of changes of a measured temperature by the temperature sensor, wherein
an entry parameter[[s]] of a fluid[[s]] involved in a [[the]] heat exchange of the micro heat exchanger isare unchanged.

6. (previously presented) The device according claim 5, wherein the device is a detachable arrangement.

7. (previously presented) The device according claim 5, wherein the outside is an outer surface of the micro heat exchanger.

8. (currently amended) The device according to claim 5, further comprising:
a closed-loop control device connected to the at least one temperature sensor, wherein
the closed-loop control device regulates a mass flow of the fluid[[s]] involved in the heat
exchange ~~in the sense of keeping such that~~ the measured temperature is constant, and wherein
the closed-loop control device diagnoses an obstruction in the at least one channel on the
basis of changes in the mass flow.

9.-10. (canceled)

11. (currently amended) A method for diagnosing obstructions in at least one
channel[[s]] of a micro heat exchanger including a plurality of channels, comprising:
measuring a temperature of the micro heat exchanger at an outside of the micro heat
exchanger; and
diagnosing an obstruction in the at least one channel on the basis of changes of the
measured temperature, wherein an entry parameter[[s]] of a [[the]] fluid[[s]] involved in a heat
[[the]] exchange of the micro heat exchanger remains unchanged.

12. (previously presented) The method according claim 11, wherein the measuring of
the temperature is accomplished at ~~at least one~~ a point on the outside of the micro heat exchanger
by a temperature sensor.

13. (previously presented) The method according claim 11, wherein the outside is an
outer surface of the micro heat exchanger.

14. (currently amended) The method according to claim 11, further comprising:
regulating a mass flow of ~~one of the~~ fluid[[s]] involved in the heat exchange such that the
measured temperature is constant; and
diagnosing an obstruction in the at least one channel on the basis of changes of the mass
flow.

15. (canceled)

16. (previously presented) The method according claim 14, wherein more than one mass flows are regulated.

17. (canceled)